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(54) **METHOD FOR TRANSMITTING DATA FOR INTER-FREQUENCY/INTER-SYSTEM HANDOVER IN MOBILE TELECOMMUNICATIONS SYSTEM**

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(58) Field of Search **455/436, 437, 455/438, 439, 440, 442, 444, 450; 370/331, 332**

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(57) **ABSTRACT**

A method for transmitting data for inter-frequency/inter-system handover in an asynchronous UTRA mobile telecommunications system, wherein information incapable of being transmitted for an idle period is transmitted over a common channel in the case of the inter-frequency handover or inter-system handover, thereby increasing the quality of speech and more efficiently performing the handover. A base station assigns a common channel to a mobile station connected thereto if inter-frequency (inter-system) handover is requested by the mobile station. Then, the base station transmits information about the assigned common channel to the mobile station and determines whether a transmission frame is an idle frame. The base station transmits data to the mobile station over a dedicated channel if the transmission frame is not the idle frame and over both the dedicated channel and common channel if the transmission frame is the idle frame. If a received frame is the idle frame during data reception, the mobile station receives data from the base station over both the dedicated channel and common channel. Therefore, the present invention has the effect of overcoming a conventional code shortage problem and, because of the assignment of one OVFSF code to a common channel, keeping orthogonality with other channels.

16 Claims, 11 Drawing Sheets

